

10/V

11th October 1967

Dear Mr. Hyde,

As I promised at Princeton when we spoke the other night, I am sending you herewith a copy of some information that we put out when we gave our demonstration of our field-store converter converting the colour signal from the 525-line 60 field standard to the European 625-line 50 field standard. So far we have demonstrated it only in the above direction and in this condition got very good results indeed. The picture quality on the transmissions from the golf match at Akron, Ohio, was very good although there is some loss of picture information and as seen on a picture monitor, there is a narrow blank border at each side, top and bottom, of the converted picture. This, however, does not show much on a normal colour receiver which is usually somewhat over-scanned.

We are working on the adaptation of this converter to take pictures in the other direction, i.e. to produce American standard pictures from the European pictures, and this we hope to have ready by the end of the year. Any pictures transmitted over the satellite link will, of course, have to be on the American standards as the bandwidth of the satellite link is insufficient for the European standard picture. Conversion of pictures from American standards to European standards must, therefore, be done in Europe, or in the U.S.A. or Europe if they are sent in tape form. For transmission in the other sense the pictures must be converted before being transmitted if they are to be taken live but can, of course, be converted on tape if required.

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We have another type of field-store converter under development which will not have the blank space round the edges but I think it will be early next year before this will be ready. I will let you know nearer the time and perhaps if we should give a demonstration you might like to send a representative to see it.

If there are any further questions I can answer on this matter I shall be only too happy to do so.

Yours sincerely,

F. C. McLEAN.

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Enclosed.
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